

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Angelo, TX

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

February

2012

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

March 19, 2012

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

February brought much needed moisture to many parts of the San Angelo Hydrologic Service Area (HSA). Generally, areas south of Interstate Highway 20 received near to above normal rainfall during the month.

Several periods of light showers occurred early in the month. By the 11th, a cold airmass moved into the area. On the 12th, several upper level disturbances from the west and southwest targeted the area and interacted with the cold airmass to produce a mixture of rain, sleet and snow over the HSA. Total snowfall amounts were an inch or less across the southern half of the area. Across the northern half of the area, amounts were mostly in the range of 1 to 2 inches. Abilene recorded 1.4 inches, and San Angelo received 0.5 inches.

From the 16th to the 18th, showers and thunderstorms developed in advance of a strong upper level storm system moving in from northern Mexico. Rainfall was generally concentrated along and southeast of an Ozone to Abilene line. Rainfall amounts of one to two inches were reported south of IH 20. A few isolated areas in Kimble, Mason and San Saba Counties received two to three inches.

The U.S. Drought Monitor showed drought conditions improving across much of the HSA during the month. By the end of February, extreme to exceptional drought conditions covered parts of Crockett, Sutton, Fisher, Jones and Haskell Counties. Generally, moderate to severe drought conditions covered the remaining areas except for Coleman and Brown Counties which were experiencing abnormally dry conditions.

The average precipitation reported from coop observers in February was 2.17 inches. The highest monthly precipitation total of 3.62 inches was reported in San Saba County. Coop observers in Brown, Coleman, Concho, Mason and San Saba Counties received over three inches of precipitation that was recorded in the February coop reporting period.

The San Angelo Regional Airport received 2.70 inches of precipitation during February, which was 1.35 inches above normal for the month. The monthly normal precipitation for San Angelo in February is 1.35 inches.

The Abilene Regional Airport received 1.70 inches of precipitation during February, which was 0.34 of an inch above normal for the month. The monthly normal precipitation for Abilene in February is 1.36 inches.

Junction received 2.54 inches of precipitation during February. The estimated average monthly precipitation in February is about 1.5 inches.

Coop Observer Rainfall Totals for February, 2012:

Station Name	Amount (in)		Station Name	Amount (in)
Abilene 2	1.66		Menard	2.32
Acton Ranch	1.66		Merkel 12SW	0.83
Albany	1.00		Mertzon 12WNW	1.42
Ballinger 2NW	2.25		Ozona	2.29
Brady	2.90		Ozona 22SE	2.09
Brownwood	3.14		Paint Rock	2.88
Burkett	2.75		Putnam	1.92
Coleman	2.80		Red Bluff Crossing	3.07
Concho Park	2.87		Roscoe	1.10
Eden	3.08		Rotan	1.21
Eldorado	2.53		San Angelo WFO	2.55
Fort Griffin	1.36		San Saba 7NW	2.67
Fort McKavett	2.38		Santa Anna 12SSE	3.32
Glen Cove 2NE	2.89		Silver Valley	2.45
Hamlin	1.56		Stamford	1.82
Haskell	0.79		Sterling City	2.52
Hords Creek	3.03		Taylor Ranch	3.62
Humble Pump	2.12		Throckmorton 7NE	0.85
Junction 4SSW	2.19		Water Valley	1.56
Lake Abilene	1.96		Water Valley 11NE	1.91
Mason	3.40		Woodson	1.47

Reservoir Conditions (end of February, 2012)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	38,160	54
Lake Stamford	52,700	26,500	51
Hubbard Creek Lake	317,800	154,480	49
Hords Creek Lake	8,800	2,350	29
Lake Brownwood	131,428	70,500	54
E.V. Spence	488,760	2,350	0
O.C. Fisher	119,200	1,070	0
O.H. Ivie	554,340	98,730	18
Twin Buttes	177,800	12,440	7

Hydro Products Issued

ESF = 2 (Probabilistic Forecast)

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for February across the San Angelo HSA is depicted below.

